
**Specifikacija geometrijskih veličin izdelka - Tekstura površine: ploskovna - 602.
del: Konstrukcije in značilnosti brezkontaktnih (fokusirna barvna sonda)
instrumentov (ISO 25178-602:2025)**

Geometrical product specifications (GPS) - Surface texture: Areal - Part 602: Design and characteristics of non- contact (confocal chromatic probe) instruments (ISO 25178-602:2025)

Geometrische Produktspezifikation (GPS) - Oberflächenbeschaffenheit: Flächenhaft - Teil 602: Aufbau und Merkmale von berührungslos messenden Geräten (mit chromatisch konfokaler Sonde) (ISO 25178-602:2025)

Spécification géométrique des produits (GPS) - État de surface: Surfacique - Partie 602: Conception et caractéristiques des instruments sans contact (à capteur confocal chromatique) (ISO 25178-602:2025)

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Ta slovenski standard je istoveten z: EN ISO 25178-602:2025

ICS:

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17.040.40	Specifikacija geometrijskih veličin izdelka (GPS)	Geometrical Product Specification (GPS)

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English Version

**Geometrical product specifications (GPS) - Surface texture:
Areal - Part 602: Design and characteristics of non-contact
(confocal chromatic probe) instruments (ISO 25178-
602:2025)**

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European foreword

This document (EN ISO 25178-602:2025) has been prepared by Technical Committee ISO/TC 213 "Dimensional and geometrical product specifications and verification" in collaboration with Technical Committee CEN/TC 290 "Dimensional and geometrical product specification and verification" the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2025, and conflicting national standards shall be withdrawn at the latest by August 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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The text of ISO 25178-602:2025 has been approved by CEN as EN ISO 25178-602:2025 without any modification.



**International
Standard**

ISO 25178-602

**Geometrical product specifications
(GPS) — Surface texture: Areal —**

Part 602:

**Design and characteristics of non-
contact (confocal chromatic probe)
instruments**

*Spécification géométrique des produits (GPS) — État de surface:
Surfacique —*

*Partie 602: Conception et caractéristiques des instruments sans
contact (à capteur confocal chromatique)*

**Second edition
2025-02**

ISO 25178-602:2025(en)

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Foreword

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This document was prepared by Technical Committee ISO/TC 213, *Dimensional and geometrical product specifications and verification*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 290, *Dimensional and geometrical product specification and verification*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 25178-602:2010), which has been technically revised.

The main changes are as follows:

- removal of the terms and the definitions now specified in ISO 25178-600;
- revision of all terms and definitions for clarity and consistency with other ISO standards;
- addition of [Clause 4](#) for instrument requirements, which summarizes the normative features and characteristics of instruments;
- addition of [Clause 5](#) on metrological characteristics;
- addition of [Clause 6](#) on design features, which clarifies the types of instruments relevant to this document;
- addition of an information flow concept diagram in [Clause 4](#);
- revision of [Annex A](#) describing the principles of instruments addressed by this document.

A list of all parts in the ISO 25178 series can be found on the ISO website.

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